

Contents of Volume 25

Analysis of liquid desiccant desorption by ambient air at low temperatures	1
G. Scalabrin (Padua, Italy)	
Drop coalescence in pipe flows	15
W. Denzer (Ludwigshafen, F.R.G.), F. Ebert and H. Büttner (Kaiserslautern, F.R.G.)	
The experimental determination of the interaction force on spheres submerged in liquid fluidized beds	27
R. Di Felice, P. U. Foscolo (L'Aquila, Italy) and L. G. Gibilaro (London, U.K.)	
Characterization of porous media by means of the Voronoi–Delaunay tessellation	35
N. A. Vrettos, H. Imakoma and M. Okazaki (Kyoto, Japan)	
Modelling of gas pressure equalization in beds of solids	47
J. Németh and T. Virág (Veszprém, Hungary)	
BOOK REVIEWS	55
Helax – a new type of static mixer – operation characteristics and comparison with other types	59
J. Kabátek, P. Dittl and V. Novák (Prague, Czechoslovakia)	
Mass transfer in liquid films during absorption.	
Part II. Solubilities and diffusivities of He, N ₂ and C ₃ H ₈ in aqueous ethylene glycol solutions at 25 °C	65
K. Kuthan, M. Endršt and Z. Brož (Prague, Czechoslovakia)	
Part III. Dependence of the liquid-side mass transfer coefficient on the molecular diffusivity of gases at high values of the Schmidt number	75
K. Kuthan and Z. Brož (Prague, Czechoslovakia)	
Mass transfer phenomena and hydrodynamics in agitated gas–liquid reactors and bubble columns at elevated pressures: state of the art	85
M. H. Oyeveaar and K. R. Westerterp (Enschede, The Netherlands)	
Experiments in process synthesis via mixed-integer programming	99
X. Yuan, L. Pibouleau and S. Domenech (Toulouse, France)	
FORTHCOMING MEETING	117
Design and performance of two-stage reverse osmosis plants	119
F. Evangelista (L'Aquila, Italy)	
Oxidation of <i>o</i> -xylene into phthalic anhydride in a reactor with two fixed beds of vanadium–titania catalyst	127
V. Nikolov, A. Anastasov and D. Elenkov (Sofia, Bulgaria), G. Ganey and N. Dimitrov (Ruse, Bulgaria)	
The influence of viscosity on micromixing in turbulent flows	133
J. R. Bourne, C. P. Hilber and S. Petrozzi (Zurich, Switzerland)	
Effects of organized structures of beds packed within tubular flow apparatus on the homogeneity of the radial distribution of fluid velocity	141
I. Ziółkowska, D. Ziółkowski and B. Flejter (Warsaw, Poland)	
Vacuum freeze-drying kinetics and modelling of a liquid in a vial	153
E. Wolff and H. Gibert (Thiverval Grignon, France), F. Rodolphe (Jouy en Josas, France)	
SHORT COMMUNICATION	
A note on very low Reynolds number fluid flow through screens	159
S. Das and R. P. Chhabra (Kanpur, India)	
BOOK REVIEWS	163
FORTHCOMING MEETING	167
AUTHOR INDEX	169
SUBJECT INDEX	171
CONTENTS	173